

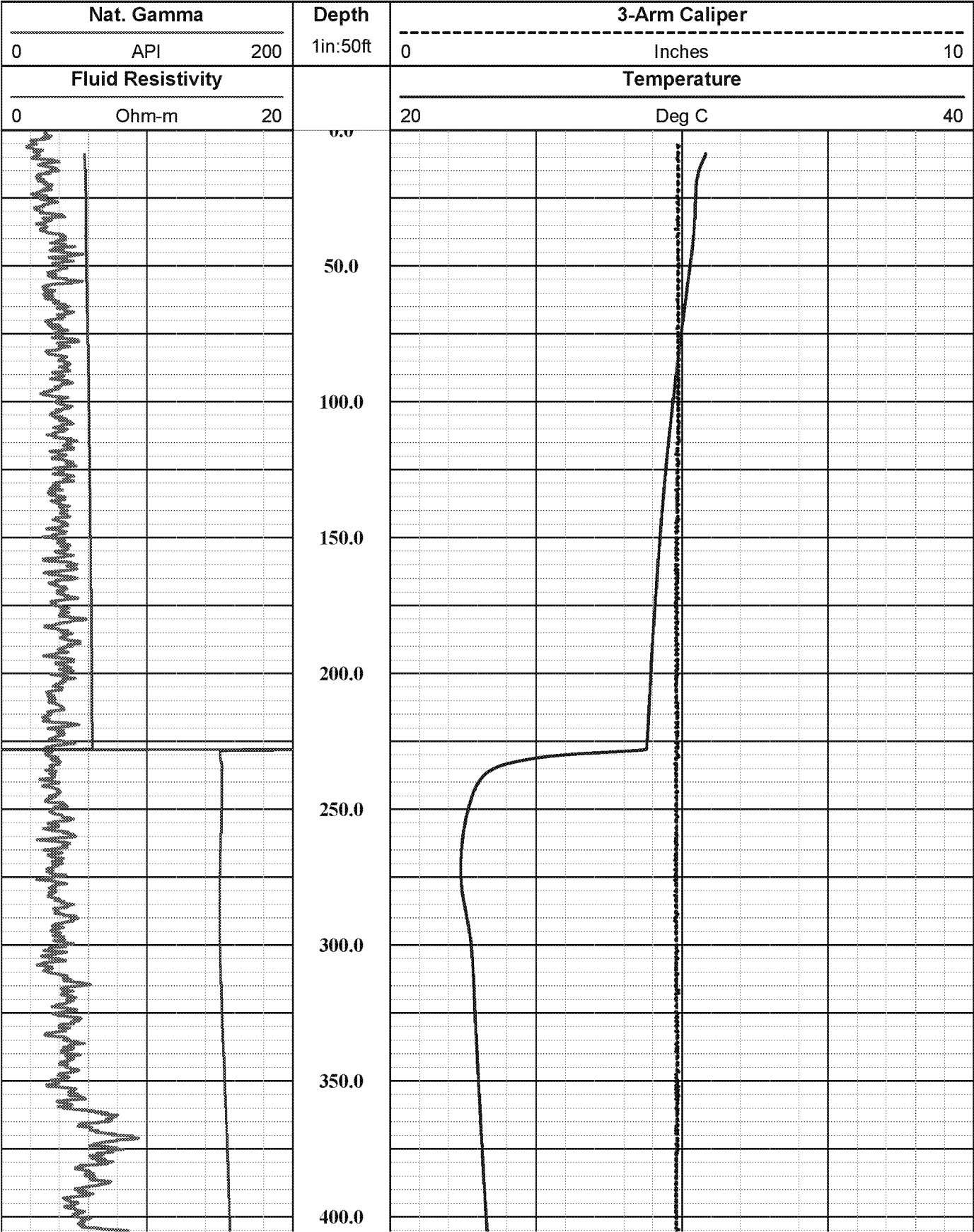
Southwest Exploration Services, LLC

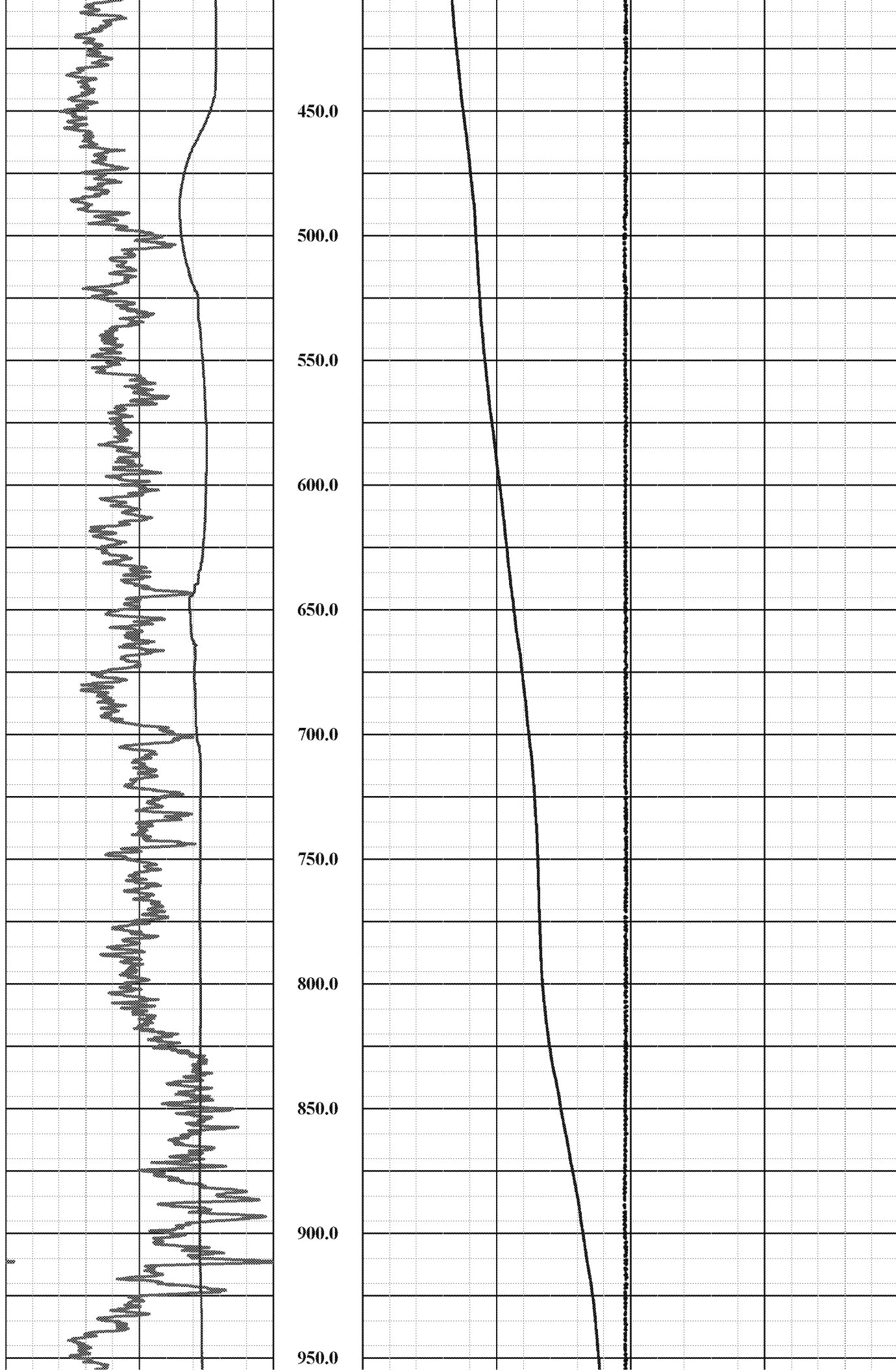
borehole geophysics & video services

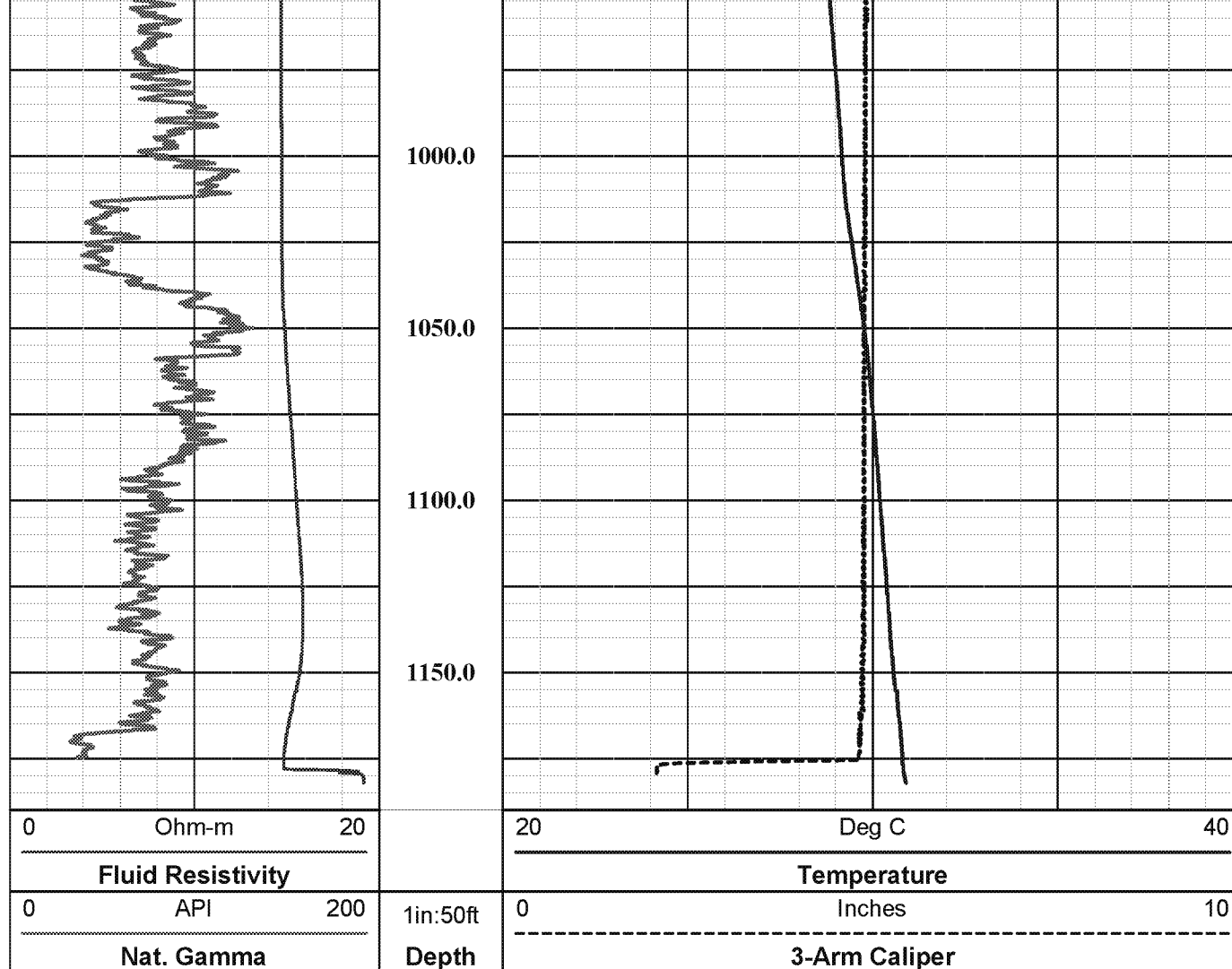
COMPANY FLORENCE COPPER				STATE ARIZONA			
WELL ID R-08							
FIELD FLORENCE COPPER							
COUNTY PINAL							
TYPE OF LOGS: GAMMA - CALIPER				OTHER SERVICES			
MORE: TEMP. / FLUID RES.				SONIC			
LOCATION				4 PI DENSITY			
				DUAL DENSITY			
PERMANENT DATUM		ELEVATION		K.B.			
LOG MEAS. FROM GROUND LEVEL		ABOVE PERM. DATUM		D.F.			
DRILLING MEAS. FROM GROUND LEVEL				G.L.			
DATE	4-6-18	TYPE FLUID IN HOLE	MUD				
RUN No	1	MUD WEIGHT	N/A				
TYPE LOG	GAMMA - CALIPER - TFR	VISCOSITY	N/A				
DEPTH-DRILLER	1200 FT.	LEVEL	~ 227 FT.				
DEPTH-LOGGER	1180 FT.	MAX. REC. TEMP.	30.89 DEG. C				
BTM LOGGED INTERVAL	1180 FT.	IMAGE ORIENTED TO:	N/A				
TOP LOGGED INTERVAL	SURFACE	SAMPLE INTERVAL	0.2 FT.				
DRILLER / RIG#	HYDRO RESOURCES	LOGGING TRUCK	TRUCK #900				
RECORDED BY / Logging Eng.	A. OLSON / M. QUINONES	TOOL STRING/SN	MSI COMBO TOOL, SN 5543				
WITNESSED BY	CHAD - H&A	LOG TIME: ON SITE/OFF SITE	1:30 P.M.				
RUN BOREHOLE RECORD		CASING RECORD					
NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
1	?	SURFACE	40 FT.	14 IN.	STEEL	SURFACE	500 FT.
2	20 IN.	40 FT.	500 FT.	5 IN.	FG	SURFACE	500 FT.
3	12 1/4 IN.	500 FT.	TOTAL DEPTH	5 IN.	PVC	500 FT.	TOTAL DEPTH
COMMENTS:							
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Disclaimer:

All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretations or recommendations and shall not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our employees or agents. These interpretations are also subject to our general terms and conditions set out in our current Service Invoice.







MSI Gamma-Caliper-Temperature-Fluid Resistivity

Probe Top = Depth Ref.



Single Conductor MSI Probe Top

Probe Length = 2.59 m or 8.5 ft

Probe Weight = 6.80 kg or 15.0 lbs

Natural Gamma and Caliper can only be collected logging up hole.

Fluid Temperature/Resistivity can only be collected logging down hole.

Temperature Rating: 70 Deg C (158 Deg F)

Pressure Rating: 200 bar (2900 psi)

Natural Gamma Ray = 0.76 m (29.75 in)

NOTE: Lengths on a particular tool may vary from those listed on this document due to probe sizes and styles utilized



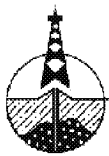
———— 3-Arm Caliper = 1.44 m (56.75 in)

Distance from tool top: 2.20 m (86.5 in)

Available Arm Sizes: 3", 9", and 15"

———— TFR (Temperature/Fluid Resistivity) = 0.39 m (15.5 in)

1.375" or 34.9 mm Diameter



**Southwest Exploration
Services, LLC**

borehole geophysics & video services

Company	FLORENCE COPPER
Well	R-08
Field	FLORENCE COPPER
County	PINAL
State	ARIZONA

Preliminary

GCT Summary